APR 3 0

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Unknown

Unknown

Rebecca E. Cahoon et al.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO Complete if Known **Application Number** 09/686,522 INFORMATION DISCLOSURE Filing Date October 11, 2000 STATEMENT BY APPLICANT

First Named Inventor

**Group Art Unit** 

**Examiner Name** 

(use as many sheets as necessary)

**Attorney Docket Number BB1165 USNA** of

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of & TRADEY T 2 Cite the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Examiner No. Initials \* number(s), publisher, city and/or country where published. EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D47093, 03-09-1995, SASAKI, T. ET AL., Rice cDNA from EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C72860, 09-19-97, SASAKI, T. ET AL., Rice cDNA from panicle at flowering stage MONITA P. WILSON ET AL., Biochem. & biophys. Res. Comm., vol. 232:678-681, 1997, Characterization of a cDNA encoding arabidopsis thaliana Inositol 1,3,4-trisphosphate 5/6-kinase JIA LI ET AL., Plant Phys., vol. 114:1103-1111, 1997, Secretion of Active Recombinant Phytase from Soybean Cell-Suspensioin Cultures FRANCISCO J. QUINTERO ET AL., Plant cell, vol. 8:529-537, 1996, The SAL1 Gene of arabidopsis, encoding an enzyme with 3'(2'),5'-Bisophosphate nucleotidease and Inositol Polyphosphate 1-Phosphatase Activities, increases salt tolerance in yeast AKIO MATSUHISA ET AL., Journ. of Bacteriology, vol. 177(1):200-205, 1995, Inositol Monophosphatase Activity from the Escherichia coli suhB gene product GILLASPY, GLENDA, Plant Phys., vol. 114(3) suppl:314, 1997, Transgenic reduction of inositol monophosphatase disrupts vegetative development, XP-002112476 GLENDA E. GILLASPY ET AL., Plant cell, vol. 7:2175-2185, 1995, Plant Inositol Monophosphatase is a Lithium-Sensitive enzyme Encoded by a Multigene Family

Examiner Signature

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please	type a	plus sign	(+) inside	this box
i icasc	type a	pius sign	(T) INSIDE	THIS DOX

Substitute for form 1449A/PTO

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Attorney Docket Number** 

**INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

Complete if Known **Application Number** 09/686,522 October 11, 2000 Filing Date First Named Inventor Rebecca E. Cahoon et al. Unknown Group Art Unit **Examiner Name** Unknown **BB1165 USNA** 

(use as many sheets as necessary)

of

1

APR 3 0 2001

<b>JO</b>				U.S. PATENT DOCU	MENTS	
DEMARINER Cite Initials * No.1	U.S. Pa	atent Document	Name of Patentee or Applicant	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	Number	Kind Code <sup>2</sup> (if known)	of Cited Document			
	<u> </u>					
	<del>                                     </del>					
	<del>                                     </del>					
<u></u>						
<del></del>						
					•	
			ŀ	į į		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	For Office <sup>3</sup>	MITTININET	ode <sup>5</sup> ( <i>if</i>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т <sub>6</sub>
1 HO	·~	World	99/07211		Exseed Genetics, L.L.C.	02-18-1999		
U'M	/	World	99/05298		Pioneer Hi-Bred International, Inc.	02-04-1999		
		World	91/14782		Gist-Brocades N.V., & Mogen International N.V.	10-03-1991		
Da	K	World	98/05785		Biocem & Institut National De La Recherche Agronomique	02-12-1998		
0 /								
	:							
		_						

Examiner Signature

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark hee if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Substitute for form 1449A/PTO





Complete if Known

October 11, 2000

09/686,022

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

**Application Number** 

Filing Date

**INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

Rebecca E. Cahoon et al. First Named Inventor **Group Art Unit** Unknown

Unknown **Examiner Name BB1165 USNA Attorney Docket Number** 

(use as many sheets as necessary) 2 of Sheet

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
VOI		BARBARA F. HARLAND ET AL., J. Assoc. Off. Anal. Chem., vol. 69(4):667-670, 1986, Anion-Exchange Method for Determination of Phytate in Foods: Collaborative Study	
	رد م	JEAN-CLAUDE PERNOLLET, Phytochemistry, vol. 17:1473-1480, 1978, Protein Bodies of Seeds: Ultrastructure, Biochemistry, Biosynthesis and Degradation	:
EB 2	, 2007	BOYD L. O'DELL ET AL., J. Agr. Food Chem., vol. 20(3):718-721, 1972, Distribution of Phytate and Nutritionally Important Elements among the Morphological Components of Cereal Grains	
Ja 1 20 20 20	ANCIANO	Z. MROZ ET AL., J. Animal Science, vol. 72:126-132, 1994, Apparent Digestibility and Retention of Nutrients Bound to Phytate Complexes as Influenced by Microbial Phytase and Feeding Regimen in Pigs	
		M. R. SPIVEY FOX ET AL., In Nutritional Toxicology, vol. 3, Academic Press, San Diego (1989) pp. 59-96, Antinutritive Effects of Phytate and Other Phosphorylated Derivatives	•
		VICTOR RABOY, Inositiol Metabolism in Plants, (1990) Wiley-Liss, New York, pp. 55-76, Biochemistry and Genetics of Phytic Acid Synthesis	
		JAN PEN ET AL., Bio/Technology, vol. 11, 7/1993, 811-814, Phytase-containing Transgenic Seeds as a Novel Feed Additive for Improved Phosphorus Utilization	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1709203, 10/1/2000, GILLASPY, G. E. ET AL., Plant Inositiol Monophosphatase is a Lithium-sensititive Enzyme Encoded by a Multigene Family	
		Glenda E. Gillaspy et al., The Plant Cell, vol. 7:2175-2185, 12/1995, Plant Inositiol Monophosphatase is a Lithium- sensititive Enzyme Encoded by a Multigene Family	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1709205, 10/1/2000, GILLASPY, G.E. ET AL., Plant Inositiol Monophosphatase is a Lithium-sensititive Enzyme Encoded by a Multigene Family	
1 C	W	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3915048, 12/15/1998, KANEKO, T. ET AL., Sequence Analysis of the Genome of the Unicellular Cyanobacterium Synechocystis sp. strain PCC6803. Sequence Determination of the Entire Genome and Assignment of Potential Protein-Coding Regions	

Examiner Signature 0 Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant. <sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

2 of 2

	Complete if Known	
Application Number	09/686,522	
Filing Date	October 11, 2000	<del></del>
First Named Inventor	Rebecca E. Cahoon et al.	
Group Art Unit	Unknown	
Examiner Name	Unknown	
Attorney Docket Number	BB1165 USNA	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
A G	$\mathscr{U}$	TAKAKAZU KANEKO ET AL., DNA Res., vol. 3:109-136, 1996, Sequence Analysis of the Genome of the Unicellular Cyanobacterium Synechocystis sp. Strain PCC6803. II. Sequence Determination of the Entire Genome and Assignment of Potential Protein-coding Regions	
Sco	M	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1652942, 2/7/1999, KANEKO, T. ET AL., Sequence Analysis of the Genome of the Unicellular Cyanobacterium Synechocystis sp. Strain PCC6803. II. Sequence Determination of the Entire Genome and Assignment of Potential Protein-coding Regions	
		OIPE	
· · · · · · · · · · · · · · · · · · ·		FEB 2 2 2001	
	\		
		MADEMARIA	
			·
	_		

Examiner Signature Date Con

Date Considered

EXAMINER: Initial inreference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include dopy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.